

On the Esters of Cacodylphosphinic Acid, by
G. Kamay, O. N. Belorossova, 7 pp. UNCLASSIFIED

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk, No 2,
Moscow, 1947.

ID GSUSA F-5106

Scientific - Chemistry

Feb 63 PA877

14,427

IZV AK NAUK KHIM No 2

Feb 1947

6 pp

"Decomposition and Formation of Onium Salts and Synthesis of Organo-Elemental Compounds through Onium Compounds"

A. N. Nesmeyanov, L. G. Makarova

Done by Nat'l Inst of Health
copy in file FDD X-21

8T2

Dzv. - Khm No 2, 1947 P. 117-122

"Semen Isaakovich Volf'kevich"

4/18 a. e. Shershevskiy

I. K. ...

Proj 1962

T-55

SR 20th 1950
10-10-7376

Kagan, M. Ya., Lyubarskii, G. D., and
Podurovskaya, O. M.
OVER HET MECHANISME VAN DE KATALYTISCHE
DIVINYL-SYNTHESE UIT AETHYLALCOHOL
(Mechanism of the Catalytic Synthesis of Divinyl from
Ethyl Alcohol). 13p. 6 refs. MTWL: 25. (text in Dutch)
Order from OTS or ETC SL 85 61-17679

Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk. Izvestiya, 1947, p. 173-180.

DESCRIPTORS: *Ethanol, *Butadienes, Synthesis, Catalysis, Aluminium compounds, Oxides.

61-17679

I. Kagan, M. Ya.
II. Lyubarskii, G. D.
III. Podurovskaya, O. M.
IV. MTWL-25
V. Stichting Moeilijk
Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Kazanskii, B. A. and Rumyantseva, Z. A.
KATALYTISCHE HYDRERING VAN CYCLOPENTAAN-
KOOLWATERSTOFFEN MET OPENING VAN DE RING.
VII. HYDRERING VAN METHYLCYCLOPENTAAN IN
TEGENWOORDIGHEID VAN GEPLATINEERDE KOOL-
EN VAN NIKKEL, NEERGESLAGEN OP ALUMINIUM-
OXYDE (Catalytic Hydrogenation of Cyclopentane
Hydrocarbons with Ring Opening. VII. Hydrogenation
of Methylcyclopentane in the Presence of Platinized
Carbon and of Nickel on Aluminium Oxide). 12p. 7 refs.
MTWL: 27. (text in Dutch).
Order from OTS or ETC \$1.85

61-17681

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1947, p. 183-190.

DESCRIPTORS: *Cyclopentanes, Methylradicals,
Coal, Platinum, Nickel, Oxides, Catalysts, *Hydro-
genation, Aluminium compounds.

61-17681

- I. Kazanskii, B. A.
- II. Rumyantseva, Z. A.
- III. MTWL-27
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Kazanskii, B. A. and Liberman, A. L.
DE KATALYTISCHE OMZETTINGEN VAN 1,1,-
DIMETHYLCYCLOHEXAAN IN TEGENWOORDIGHEID
VAN GEPLATINISEERDE KOOL (Contact Catalytic
Transformations of 1,1-dimethylcyclohexane in the
Presence of Platinized Carbon) 17p. 12 refs.
MTWL: 32 (text in Dutch).
Order from OTS or ETC \$1.85

61-17676

Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk. Izvestiya, 1947, no. 3, p. 265-275.

DESCRIPTORS: *Cyclo hexanes, Methylradicals,
Carbon, Platinum, *Benzenes, Catalysts.

61-17676

- I. Kazanskii, B. A.
- II. Liberman, A. L.
- III. MTWL-32
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Investigation in the Field of Am...
Berkovits, VI., by D. P. Ponomarev, 22 November
1947.

RUSSIAN, bino per, Iz Ak. Eop. SSSR. Odel.
Mila Nauk, No 3, May/Jun 1947, pp 300-315.

FDD NT-24
CIA/SSD/R-1459

Scientific - Chemistry

13,718

IAN, OTKN

4

pp 291-398 (1947)

Blast Furnace Smelting of Titanium - Magnetic
Ores with Basic Slag

I. V. Shmenenko +
K. H. Zaghirov

St-443 (6)

Failures of Castings Caused by Shrinkage Stresses
During Crystallization, as Related to Composition,
by A. A. Bochvar.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1947, pp 349-355.

Language Sv Bu

Sci - Chem

Nov 60

131,306

IZV AKAD NAUK SSSR, OTD KHIM NAUK No 5, 1947, 11 pp

"Nikolay Aleksandrovich Morozov as a Chemist"

S. I. Vol'fkovich

Proj 1940

T-55-B7

U-115/49

One page extract translation loaned to
original requestor.

MOROZOV died in 1946.

53T10

Chlorides of Ruthenium Hydrates, by V. I.
Goremykin, T. D. Avtokratova.

RUSSIAN, bldo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 427-434.

Research Information Service
R 562 30,703

Scientific - Chemistry

Jan 56 CTS/DEX

The Chemical Properties of Benzenes With Haloid
Methane Substitutions, by A. F. Kapustinskiy,
S. I. Drakin.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 435-442.

Research Information Service

R 563

30,704

Scientific - Chemistry

Jan 56 CTS/REX

The Hydrogenation of Cyclic Hydrocarbons. Part IX.
The Hydrogenation of 1.1-Dimethyl-Cyclopentane in
the Presence of Platinum-Activated Carbon, by
B. A. Kazanskiy, Z. A. Rumiantseva, M. I. Batushev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 483-493.

Res Info Sv R.566

Sci - Chemistry
Jan 1956/CTS No 77

30,537

53 Nassau St., New York, N.Y.

PRODUCTION OF ACETYLENE. NO 5. PRODUCTION OF ETHYLENE
ethylene Carbinol, by I. N. Nazarov, Y. V. Torgov, -

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 495-499.

Res Info Sv, R.567

53 Nassau St

Scientific - Chemistry NY

Feb 56 31, 1949

Rearrangement of the Allyl Structure. IV.
The Influence of Sodium and Magnesium Ethers
on Isomerism, by A. N. ~~ESSEN~~ Pudovik, B. A.
Arbuzov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 501-508.

Res Info Sv R.568

Sci - Chemistry
Jan 1956/CTS No 77

30,530

53 Nassau St., New York 5, N.Y.

Investigation of Organic Phosphates. VII.
The Reaction Between Glycol and the Menshutken
Chloride Anhydrides, by P. A. Rossiyskaya,
M. I. Kabachnik.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 509-514.

Research Information Service
R 569

30,738

Scientific - Chemistry Jan 56 CTS/DEX

TT-63-20182

Freidlin, L. [Kh.] Balandin, A. A., Lebedeva, A. I.,
and Fridman, G. A.

INVESTIGATION OF THE CATALYTICAL SUBSTITU-
TION OF HALOGEN BY HYDROXYL IN HYDRO-
CARBONS OF AROMATIC SERIES. [1963] [12p]

17refs. N64-11004.

Order from OTS, SLA, or ETC \$1.60 TT-63-20182

Trans. of [Akademiya Nauk SSSR... Otdelenie
Khimicheskikh Nauk]. Izvestiya, 1947 [no. 5]
p. 515-522. (Abstract available)

DESCRIPTORS: *Phenols, Synthesis (Chemistry).
*Benzenes, *Chlorides, Substitution reactions,
*Catalysis, *Copper catalysts, Silicon compounds,
Dioxides, Gels, Purification.

Reaction of catalytic conversion of chlorobenzene into
phenol with steam in the presence of silica gel impreg-
nated with various copper compounds was studied. A
(Chemistry--Organic, TT, v. 11, no. 7) (over)

- I. Title: Phenyl chloride
- I. Freidlin, L. Kh.
- II. Balandin, A. A.
- III. Lebedeva, A. I.
- IV. Fridman, G. A.
- V. N64-11004

Office of Technical Services

Ternary System Al-Mg-Li. I. Method of Work
With Li. The Binary Systems, by F. I.
Shamrai.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1947, pp 605-616.

ACSI 1-0453
ID 2180114

Sci - Chem

189, 737

4 Apr 62

Long-Term Forecasts of the Critical Frequencies of
the Ionosphere and the Occurrence of Disturbance in
it, by G. M. Bartenov. 22 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
19, 1967, pp 1139-1152.

AEC Tr 520

AEC Tr 622

CIA/RMD/U-2248

15,011
Scientific - Geophysics

Aug 1951 CTS

A

IZ AK NAUK SSSR, OTDEL KHIM NAUK No 1 Jan/Feb 1948

"Academician Aleksandr Erminingel'dovich Arbuzov" 6 pp.

B. A. Kazanskiy, M. I. Kabachnik

T-11

11 Oct 1948

66T24

IZ AK NAUK SSSR, OTDEL KHIM NAUK No 1 Jan/Feb 1948

"Academician Evgen'yevich Poray-Koshits" 3¹/₂ pp.

V. Rodionov

T-55-3

T.S. Feb 49

SR 30 Nov 1949

66T25

The Ternary System: Aluminum-Magnesium-Lithium
Report II. Phase Diagrams of Auxiliary Cross
Sections, by F. I. Sharyay, 14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, 1948, pp 83-94. 968547

DC REIC-32

Sci - Chem
Aug 63

343,311

Ternary System Al-Mg-Li. III. Description
of the Ternary System Aluminum-Magnesium-
Lithium. Projection of the Liquidus Surface,
Isotherms at 400° and 20°, and the Process
of Crystallization, by F. I. Shamrai,
14 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Khim
Nauk, No 3, 1948, pp 290-301.

ACBI I-C452
ID 2180113

182,680

Sci - Chem
14 Feb 62

Study in the Field of Tautomeric Compounds, by
A. E. Porai-Koshits, N. I. Malikova, 32 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1948, pp 519-528.

CIA/PDD/X-1137

Scientific - Chemistry
CTS/DEX

7077

Thermochemistry and the Structure of Atoms. I. The
Thermochemical Logarithmic Rule and the Heats of
Formation of Halides, by A. F. Kapustinskiy, 26 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
1948, pp 568-580.

ABC NP Tr-472

SLA 61-13389

Sci - Chem
10 Nov 60
List 45

131,396

Thermochemistry and the Structure of Atoms. II.
The Thermochemical Logarithmic Rule and the
Heats of Formation of Oxides and Hydrides, by
A. F. Kapustinskiy, 21 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
1948, pp 581-589.

ABC NP Tr-473

SLA 61-15390

Sci - Chem
10 Nov 60
List 45

131,397

Acetylene Derivatives. LXXXV. Synthesis and Study
of Heterocyclic Compounds. 6. Synthesis of 4-Ethynyl-
4-Hydroxypiperidines by Condensation of Acetylene
With γ -Piperidones, by I. N. Nazarov, V. Ya. Raygorod
skaya. (5000 rds)

RUSSIAN, no par, Iz Akad Nauk SSSR, Otdel Khim Nauk,
No 6, 1948, pp 631-641.

Assoc Tech SY
RJ-358

37,009

\$15.00

Sci - Chemistry

Aug 1956

"Complex Formations of Rare Earth Metals"

D. I. Ryabchikov
Ye. A. Terent'yeva

AEC/ BNL/tr - 131

TT. 107

27/49T26

Electron Microscopic Study of the Structural Changes
of Finely Divided Solids on Heating, by A. I.
Echeistova, A. B. Shekhter, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1,
1949, pp 13-17.

716/514-1620
R.A.B. Farnborough Tr 597
Sci Mus Lib Tr 57/0485

Sci - Physics
Jun 57

48,470

13 202

Ca-1

RYABCHIKOV D. I., TERENT'EVA E. A.

Complex formations of rare earth elements

Izv. Akad. Nauk SSSR, Otdel. Khim. Nauk, No. 1, 44-55 (1949)

TT 107 - English

E u r a t o m

Organophosphorus Compounds. XI. Anomalous Course of
an Organomagnesium Synthesis, by M. I. Kabachnik, E. S.
Shepeleva, 2 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1949,
pp 56-59.

CIA/FDD XX-639
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Sep 59
USIB INTERNAL USE ONLY
PARTIAL TRANSLATION

TT-62-28756

Morozov, I.S. and Kuznetsov, V.G.
AU SUJET DE LA MODIFICATION γ DU BIOXIDE
DE MANGANESE (O γ -Modifikatsii Dyuokisi Mar-
gantsa) (The γ Modification of Manganese Dioxide).
31p. (foreign text included) 10refs, CNRS-VIII bis 75.
Order from OTS, ETC or CNRS \$3.60 TT-62-28756

I. Morozov, I.S.
II. Kuznetsov, V.G.
III. CNRS-VIII bis 75
IV. Centre National de la Recher-
che Scientifique, Paris

Trans. in French of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk, Izvestiya, 1949, no.1,
p. 343-353.

DESCRIPTORS: *Manganese compounds, Dioxides,
*Transformations, Irreversible processes,

(Chemistry--Inorganic, TT, v. 11, no. 8)

Office of Technical Services
European Translations Centre

These studies of high energy electron beams are of interest in the high temperature plasma, by the following:

[illegible]

Reptiles No 2796

Scientific - Min/Motals

15836

Freidlin, L. Kh. and Fridman, G. A.
CATALYTIC [SUBSTITUTION] OF HALOGEN BY A
HYDROXYL IN THE AROMATIC SERIES. IV. VAPOR-
PHASE HYDROLYSIS OF o- AND p-CHLOROPHENOLS
AND o- AND p-DICHLOROBENZENES. [29 Oct 52]

[19p] 14refs

Order from OTS or SLA \$1.60

63-18674

Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk, Izvestiya, [1949, no. 3, p. 317-325.

DESCRIPTORS: *Benzenes, *Chlorides, *Phenols,
Hydroxyl radicals, Hydrolysis, Catalysis, Substitution
reactions, Halogens, Insecticides.

The possibility of vapor-phase hydrolysis of o- and
p-chlorophenols and o- and p-dichlorobenzenes was
investigated and the influence of ring substituents is de-
monstrated. The catalytic character of the process is
(Chemistry--Organic, TT, v. 10, no. 11) (over)

63-18674

1. Title: Dichlorobenzenes
2. Title: Chlorophenols
- I. Freidlin, L. Kh.
- II. Fridman, G. A.
- III. Title: Vapor . . .
- IV. Trans-MT-52-50

Office of Technical Services

IZ AK NAUK SSSR, Otdel Khim Nauk No 3, 9 pp, 1949

"Diffusion of Radium Between Molten and Crystalline
Isomorphic Salts"

V. G. Khlopin

V. P. Klokman

See 29/49T94

56/49T86

Investigation in the Field of High Molecular Compounds. Communication 21. On the Polycondensation of Glycol With Adipic Acid, by V. V. Korshak, and V. V. Golubev, 11 pp.

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk, No 4, 1949, pp 379-385.

AEC Tr 1281

RT-3977

Scientific - Chemistry

Scientific - Chemistry
175 7745-26250

Jun 52 CTS

DEX

Acetylene Derivatives, No 94, Synthesis of Polycyclic
Compounds Related to Steroids: III, Complete
Synthesis of Compounds With Androstane Skeletons
and Their Structural Isomers With Methylcyclopentane
Rings B, by L. N. Nazarov, L. D. Bergel'son, L. I.
Shamonina, L. N. Terekhova. 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1949.

CIA/PDD/x-230

AEC Tr 233

USPIS Tr

63/494 15,879

Scientific - Chemistry

High Molecular Compounds. XII. Effect of
Polarity of Substituents on Polymerization Power
of Substituted Ethylenes, by V. V. Kershak, 11 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1949, pp 487-492.

CIA/FDD X-8211

Sci - Chemistry
Nov 1956 CTS/dex

112 112 40,798

Izv AM. - 01. Khim. 5-49.

17-02-74-0
(Extract)

8101

Extract

7729-1

In the Dept of Chemicals

IP

SR-8X-47

10-10-24-2

Copy of 10-10-24-2

Nesmeyanov, A. N., Kursanov, D. N. and others.
OVER DE INVLOED VAN STRUCTUURFACTOREN
OP CONJUGATIE-VERSCHEIJNSELEN. I. DE BEWEEG-
LIJKEID DER WATERSTOFATOMEN IN CYCLISCHE
KETONEN VAN VERSCHILLENDE STRUCTUUR
(Influence of the structural factors on conjugation
phenomena. I. Mobility of H atoms in various cyclic
ketones), tr. by G. J. M. Fritschy. 7 p. 6 refs.
MTWL:487. (Text in Dutch)
Order from OTS or ETC \$0.80

61-17007

Partial trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya (USSR) 1949, no. 6,
p. 592-597.

61-17007

1. Cyclic ketones
2. Hydrogen bonding
- I. Nesmeyanov, A. N.
- II. Kursanov, D. N.
- III. MTWL-487
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

IHN, OKhN, No 6, 1949 P. 653-55

"Two meetings of OKhN."

S.V. Shevelov

10-11-1950

Proj 4990

CD 7729.1

SR 8 May 1950

IAN, OKh N, No 6, 1944 P. 655-57

77P "Commission on Photography
and Cinematography" S.B. Shvachkin

Prig 5262

ST-112

SR 8 Aug 1950

Synthesis and Properties of C_{12} - C_{16} Monomethyl-
alkanes, by Al. A. Petrov, et al.

RUSSIAN, PER, Iz Ak Nauk SSSR: Otdel Khim Nauk,
1949, pp 1053-1059.

Dept of Interior
Tr No 226

Sci

Jan 63

Influence of the Cations on the Anodic Processes
in the Electrolysis of Chloride and of Sulfate
Solutions, by N. A. Izgaryshev, 21 pp.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk,
No 1, 1950, pp 15-26.

N

SIA 55-10499

Sci - Chem
Sep 59
Vol 2, No 1

97,284

INVESTIGATIONS OF THE HETEROGENEITY OF ACTIVE
SURFACES BY THE DIFFERENTIAL ISOTOPE METHOD,
BY N. P. KEIER, S. Z. ROGINSKIY.

RUSSIAN, PER, IZ AK ^{*Naik*} ~~NAUK~~ SSSR, OTDEL KHIM
NAUK, NO 1, 1950, PP 27-38.

NLL RTS 2059

SCI - CHEM

OCT 62

214,752

V
Derivatives of Acetylene. Part 96. Heterocyclic
Compounds. IX. Synthesis of 1,2,5-Trimethyl-4-
Piperidols and Their Esters, by I. N. Nazarov, et al.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1949, pp 504-521.

Assoc Tech Sv
RJ-359

Sci - Chemistry

37,010

\$13.50

Aug 1956

Iz. Ak. Nauk - OI. Khim Nauk - 549

pp 522-538

8102

Wigst

1707

Pudovik - Gubuzov

Allyl Rearrangements, Report IX

3/4 P

Confession

200 3451

THE DESTRUCTION OF HIGH MOLECULAR WEIGHT COMPOUNDS,
Report XXVI. One Peculiarity of the Process of
Chemical Destruction of High Molecular Weight Compounds
by V. V. Korshak.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk.
No 1, 1950, pp 51-55.

AEC Tr 1455

Scientific - Chemistry, molecular weight ~~high~~ compounds

Dec 52 GTS/DEX

Acetylene Derivatives. 97. Mechanism of Polymeri-
zation of Dimethylvinylethynyl-carbinol, ~~20xxx~~ by
I. N. ~~XXXX~~ Nazarov, L. N. Terekhova, 20 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1950, pp 66-76.

Sci Tr Center RT 3607

Scientific - Chemistry
Jun 56 CTS

36,140

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins. III. Polymerization and Hydro-
polymerization of Ethylene in Hydrocondensation
Catalysis, by Ye. T. Eidus, 20 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
Zhuk No 1, 1950, pp 98-107.

Sci Tr Center RT 1030

Scientific - Chemistry

Jul 54 CTS

16054

IAN, STAN

#1, pp 168-173 (1950)

The Interaction of the Hydrochlorides of Amino
Acids + Ethylene Oxide

V. M. Rodionov +
N. B. Yartseva

dis. Tech. Serv. Trans. * LG-36
(see 51 listing)

Izv. A N SSSR (Dpt. of Chem. Sci.),
No. 1, Jan. - Feb. 1950, p. 117
[Khronika]

V. A. Kazanskii, New Method
for Determining the Composition
of Gasolines.

Confidential Proj # 8325. of W-17542
1 p.

MAR 14 1951

Izv. AN SSSR (Opt. Chem. Sci.)
No. 1, Jan - Feb. 1950, p. 119
[Khranika]

S. B. Shvelev, Recent Work
By Academician A. P. Rebinde.

2 pt

2 W - 12377

Proj 8316

Confidential

MAR 14 1951

IAN, OKhN, No 2, 1950

^{Khlopin}
"V.G. Khlopin's Work in the
Field of Geochemistry"

3 pp

Proj 5510

00-0-11980
NED Guide

Confidential SR 26 May 1950

V
On the basis of High Alloy Austenitic steels in
the High Temperature Strength, by A. M. Boroditskiy.

RUSSIAN, per, Izvestiya Ak Nauk SSSR, Old Main Nauk,
No 2, 1949, pp 121-127.

Smutcher Tr No 2796

14,669

Scientific - Min/Metals

IAN, OKhN, No 2, 1950 P127-36

"Mechanism by which Equilibrium
is achieved ~~but~~ in the Distribution
of a Microcomponent Bet. Solid
Crystalline Isomorphous Phase etc."
Khlodkin, Klokner, Turkin, Kefedov

2 pp

Proj 5763

NED Gind

SR 20 June 1950

Confidential

OKhN-12970

Levin, V. I. and Roginskii, S. Z.
DE KINETICA VAN KATALYTISCHE REACTIES.
II. PROCESSEN OP HETEROGENE OPPERVLAKKEN.
(Kinetics of contact reactions. II. Processes on hetero-
geneous surfaces). 29p. 28 refs. MTWL: 581.
(Text in Dutch).
Order from OTS or ETC \$2.40

61-17296

Trans. of Akademiya Nauk SSSR, Otdelenie Khimi-
cheskikh Nauk, Izvestiya, 1950, no. 2, p. 137-151.

DESCRIPTORS: *Catalysis, Surface properties,
Adsorbents.

61-17296

- I. Levin, V. I.
- II. Roginskii, S. Z.
- III. MTWL-581
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

IAN, SKN

2, pp 152-61 (1952)

The Nature of Spectrum Displacement During
Adsorption of Aromatic Amines by Active
Clays

A. I. Sidorova +

A. N. Terebin

9676161

Los Alamos Sci. Ser. Ser. # 19-42
(Jan 51 listing)

I-401, 04N

No 2, pp 14-15 (1952)

Associates of Hydrogen Chloride

S. V. Ginterzhnili

Res. Inst. Chern. Ind. PG-33
(Jan '51 listing)

63-18214

Kochetkov, A. K. and Freidlina, R. Kh.
SOME NEW POSSIBILITIES OF SYNTHESIS OF
ORGANOMETALLIC COMPOUNDS OF LEAD, TIN
AND THALLIUM. [1963] 9p 26refs
Order from OTS or SLA \$1.10 63-18214

Trans. of Akademiya Nauk SSSR, Otdelenie
Khimicheskikh Nauk. Izvestiya, 1950, p. 203-208.

DESCRIPTORS: *Metalorganic compounds, *Lead com-
pounds, *Tin compounds, *Thallium compounds,
Chlorides, Halides, Phenyl radicals, Acetates,
Mercury compounds, Chemical reactions, Synthesis
(Chemistry).

The possibility is demonstrated of synthesizing
organotin compounds of the type R_2SnX_2 from
organolead salts, R_2PbX_2 . A new method of synthesis
(Chemistry--Organic, TT, v. 10, no. 10)

I. Kochetkov, A. K.
II. Freidlina, R. Kh.

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Study of the Kinetics of Thermal Decomposition of
Solid Permanganates, by S. Yu. Elovich,
S. Z. Roginskii, E. I. Shmuk

RUSSIAN, per, Iz Ak Nauk, Otdel Khim Nauk, No 5,
1950, pp 469-474.

AEC Tr 1108

Scientific - Physics

Freidlin, L. Kh., Neimark, L. E., Fridman, G. A.,
 Sheinfain, R. Yu., and Khatset, F. L.
 RELATION BETWEEN CHARACTER OF POROSITY
 OF SILICA GEL AND ITS CATALYTIC PROPERTIES.
 [1963] 21p 7refs
 Order from OTS or SLA \$2.60 63-18675

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1960, no. 5, p. 521-530.

DESCRIPTORS: *Silicon compounds, Dioxides, *Gels, Porosity, Catalysis, Chemical reactions, Benzenes, Chlorides.

The interrelations among the porous structure of silica gel, its catalytic activity, its specificity, and its thermal stability in the reaction of vapor-phase hydrolysis of chlorobenzenes is investigated. (Author)

(Chemistry--Organic, TT, v. 10, no. 11)

63-18675

I. Freidlin, L. Kh.
 II. Neimark, L. E.
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R. A. Arshinov "Carcinogenic
Substances Related to
Benzopyrene"

7. "Recent USSR Work on
Carcinogenic Agents Containing
Phosphorus" (Collected Reports)
pp. 11-17 17437

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Topography of the Pyrolytic Decomposition of Barium
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M. Ya. Kushnerov, 7 pp.

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1950, pp 573-575.

AEC Tr 1261

Scientific - Chemistry

*See also Summary of Sci
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Solid Solutions of Nickel, by I. I. Kornilov,
9 pp,

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No 6, 1950, pp 582-589.

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Scientific - ~~Materials~~, Chemistry

V
Study of Organic Phosphorous Compounds, XIV,
Synthesis of Aminophosphinic Acids, 1., by
M. I. Kebachnik, T. Ya. Medved, 12 pp.

RUSSIAN, per, Izvestiya Akademiy Nauk SSSR,
Otdelenie Khimicheskikh Nauk, No 6, 1950,
pp 635-640.

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Jun 56 CTS

Belaenko, F. A.
DE SPANNINGEN RONDOM EEN CIRKELVORMIGE
MIJNSCHACHT IN EEN ELASTISCH-PLASTISCHE
BODEM (The stresses around a circular shaft in an
elastic-plastic soil). 20p. 5 refs. MTWL-583.
(text in Dutch).

Order from OTS or ETC 51.85

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Trans. of Akademiya Nauk SSSR. Otdelenie Tekhni-
cheskikh Nauk. Izvestiya 1950, no. 6, p. 914-925.

DESCRIPTORS: *Soils. Plasticity, Elasticity, *Shafts.
Mining engineering. *Stresses.

61-17298

- I. Belaenko, F. A.
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Refraction and Reflection of Plane Waves in a Liquid
Passage From One Depth to Another, by L. N.
Bretenskiy, 23 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 11, Moscow, Nov 1950, pp 1601-1614.

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Akimov, G. V.
INTERKRISTALLINE KORROSION DER LEGIERUN-
GEN (Mezhkristallinnaya Korroziya Spavov). [1961]
[17]p. 26 refs. [DSIR LLU] M 2103.
Order from OTS or SLA \$1.60

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Trans. in German of A[kademiya] N[auk] SSSR.
Otdeleniye Khimicheskikh Nauk. Izvestiya, 1951,
no. 1, p. 13-25 (pub. in Sowjetwissenschaft. Natur-
wissenschaftliche [Beiträge] (West Germany) 1951,
v. 4, no. 2.

DESCRIPTORS: *Alloys, *Corrosion, *Metallic
crystals.

(Metallurgy--Corrosion, TT, v. 6, no. 3)

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63-18676

Freidlin, L. Kh., Neimark, L. E., Fridman, G. A.,
and Sheinfain, R. Yu.

PROMOTING OF SILICA GELS OF DIFFERENT
POROSITIES. [1963] 18p 6refs

Order from OTS or SLA \$1.60

63-18676

I. Freidlin, L. Kh.
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III. Fridman, G. A.
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Trans. of Akademiya Nauk SSSR. Otdelenie Khimich-
eskikh Nauk. Izvestiya, 1951, no. 1, p. 86-94.

DESCRIPTORS: *Silicon compounds, Dioxides, *Gels,
Porosity, Copper, Catalysis, Chemical reactions,
Benzenes, Chlorides.

The influence of copper upon the catalytic properties of
silica gels of various porosities was investigated.
Apart from its promoting action, copper regenerates
silica gel poisoned by mineral admixtures, enhances its
thermal stability and selectivity, and overcomes the
diffusional retardation of the reaction. (Author)
(Chemistry--Organic, TT, v. 10, no. 11)

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Determination of the Individual Composition
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Method, by G. S. Landsberg, B. A. Kazanskiy.

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No 2, 1951, pp 100-114.

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